

WATER SYSTEM

Existing Facilities

Selma has a water system consisting of three wells, a treatment plant, two elevated storage tanks and a distribution system. The entire system serves a total of 1,380 residential customers and 5 manufacturing customers who have a peak demand of approximately 500,000 gallons during a 24 hour period.

The three wells are capable of producing a total of 1,035 gallons of water per minute or 1,490,400 gallons of water per day. The treatment plant consists of eight pressure type filters which are capable of delivering approximately 864,000 gallons per day. The peak demand at present represents 58% of the plants maximum capacity.

In summary the town has a maximum of 864,000 gallons of treated water for consumer use and a maximum of 1,490,400 gallons of raw water for fire protection use.

The two elevated storage tanks hold a total of 175,000 gallons; one with a capacity of 100,000 gallons and the other with a capacity of 75,000 gallons.

Since only the larger tank is now connected in the system, the total storage capacity of Selma represents only 20% of Selma's daily consumption. The tanks vary by approximately one-third most of the time and the existing storage is considered inadequate for the community. There is one additional elevated tank in the community which is privately owned and is not a part of the town's system. It may be possible to connect with this tank to enlarge the total storage capacity of the town.

Selma's water distribution system contains the following:

10" line	-	2,600 feet
8" line	-	11,750 feet
6" line	-	46,000 feet
4" line	-	9,500 feet
2" or less	-	47,550 feet
6" hydrants	-	89
4" hydrants	-	9